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Vol XLI, 1933, pp 116-128.

Navy Tr 654/NRL 408

Scientific - Electronics

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U. Steudel, 4 pp.

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*NASA TT F-11,926

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Sci - Electronics
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Connection Between the Apparent and True Height
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*NASA TT F 13,289

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Sci - Engineering
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Attempts to Measure the Spatial Radiation From
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Scheibe, 22 pp.

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Sci - Electronics
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Pt. II. by Rudolf Bromel, 20 p.

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TIONS ON COLLOIDS. [1961] [28]p. 17 refs.
Order from SLA \$2.60 61-20827

Trans. of Hochfrequenztechnik und Elektroakustik
(Germany) 1936, v. 48, no. 4, p. 126-133.

DESCRIPTORS: *Colloids, Spheres, Viscosity,
Gases, Bubbles, Electric fields, *Vibration,

(Unannounced)

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Office of Technical Services

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SLA 57-2123

Sci
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Surmounting of the Earth's Curvature by Ultra-Short
Waves Through Atmospheric Refraction, by G. Eckart,
H. Plendl, 56 pp.

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Sci - Physics

52,327

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SLA Tr 57-925

Sci - Electricity, Physics 52, 372

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Hölzer, E.
NON-LINEAR CROSS TALK IN MULTIPLE-SYS-
TEMS WITH TRANSMITTED CARRIERS. [1961]
[12]p. (5 figs. omitted)
Order from SLA \$1.60

60-18970

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DESCRIPTORS: *Noise (Radio), Radio interference,
Multiplex transmission, Communication equipment,
Telegraph equipment, Multichannel telephone sys-
tems, Radio-telephones.

(Unannounced)

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Reflection and Absorption of Decimeter Waves at Plane
Dielectric Layers, by W. Dallenback. W. Kleinsteuber
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EUR - Germany

Scientific - Electronics, measurements, wave range

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Scientific - Electricity

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SLA 57-1353

Scientific - Engineering

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SIA 57-1335

Scientific - Engineering

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Passage of Electric Waves Through Wire Grids, by W.
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SLA Tr 832/1955

Sci - Electricity

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Sci - Electricity

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SLA Tr 57-2248

Sci - Elec Engr

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22 pp.

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SLA 57-2025

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Indirect Modulation of Centimeter Waves, by H.
Born, 33 pp.

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Vol LVI, No 4, Oct 1940, pp 112-118.

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Sci - Electronics
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Elementary Theory of the Spherical Hollow Resonator, by
T. G. Berg, 19 pp.

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Sci
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On the Propagation of Ultra-Short Waves on a
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Vol LIX, No 1, Jan 1942, pp 1-10.

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Sci - Electricity,

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Limits of Usability of the M-Antenna Adcock
Direction Finder, by E. W. Bräuninger

Full translation.

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Scientific - ~~Security~~ Jul 53 CTS/DEX
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R. Beckmann, 30 pp.

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Sci -
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Contribution to the Measurement of the Transmission Constant of Coaxial Cables in the Range of Decimeter Wave Lengths, by A. Dittl, 11 pp.

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Sci - Electronics
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Scientific - Electronics, propagation, inhomogeneous
ground

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First Construction of Type MB 14 Mesotank, by
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Scientific - Electronics, conductivity, propagation
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S.L.A. Tr 57-348

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Sci - Engineering
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On a Special Frequency or Phase Modulation
Procedure (The Serrasoid Modulator Transmitter),
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Full tr

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A New Method of Investigation of Tube Microphony, by
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Vol LXV, No 2, 1956, Leipzig, pp 59-65.

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Sci - Electronics

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Investigation on Cold Cathode Counting Tubes, by
W. Rentsch

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USASIA SC-17460

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Study of Counter Tubes with Gold Cathodes, by
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Influence of Correlation between Receiver Field
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Vol LXIV, No 6, 1956, pp 184-193.

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Sci - Electron
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On the Use of the Lower Continuum Wave Region for
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Sci - Elec^tronics

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Distortions in Frequency. Modulated Systems, by
A. Dittl

GERMAN, per, Hochfrequenztechnik u Elektroakustik,
Vol LXV, No 4, Jan 1957.

ASLIB-GB54

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A Contactless Wide Band Micro Switch For 20 CM
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Sci - Electronics

Apr 60

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English Title Unknown, by H. Dobesch.
GERMAN, per, Hochfrequenztechnik und Elektroakustik,
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GOVERNMENT USE ONLY

GERMANY, per, Hochfrequenztech. Elektroakust.

Vol 66, No 4, 1958, pp 115-125.

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Sci
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Subjective Measurements on the Influence of
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ception of Sound Intensity, by H. Hesse,
J. Kohler.

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pp 150-160.

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Sci - Phys
Aug 62

The Audibility of Very Low Frequency Periodic
Noise, by Herbert Niese. 30 pp.

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Vol 67, 1958, pp 26-34.

NSA TT F-13,132

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H. Markgraf, G. Spengler. UNCLASSIFIED

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No 67, 1958, pp 64-67.

Navy 2640/USRL 11

Sci - Engineering
Nov 60

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English Title Unknown, by H. Niese.
GERMAN, per, Hochfrequenztechn und Elektroak,
Vol 67, 1958, pp 26-34.
*NASA TT F-13,132

Jul 70

English Title Unknown, by H. Niese.
GERMAN, per, Hochfrequenztechn und Elektroak,
Vol 66, 1958, pp 115-125.
*NASA TT F-13,134

Jul 70

The Refraction of Decimeter Waves in the Troposphere,
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GERMAN, per, Hochfrequenstechnik und Elektroakustik,
No 1, May 1959, pp 1-7.

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USASIA SC-67b/59

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Elasticity Modulus, by H. Andres.
GERMAN, per, Hochfrequenztechnik und Elektro-
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280,168

See Horn-antenna, by M. Prochaska.

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ATS-42N286

Sci - Electronics

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A Contribution to the Theory of the Transmission of
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Modulated Carriers in Linear Systems, by E. Augustin,
21 pp.
GERMAN, bk, Hochfrequenztechnik und Elektroakustik,
Vol LXVIII, No 6, 1960, pp 177-185. 9696232
FSTC 381-T64-58

Sci - Elec
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Determination of Permeability Tensors and
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Mc, by W. Nowak, 22 pp.

GERMAN, per, Hochfrequenztechnik und
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ACSI H-9511
ID 2710486

166,322

Sci - Chem

11 Sep 61

Haussig, D.
SURVEY AND COMPARISON OF KNOWN PROCESSES
FOR THE DETECTION OF PERIODIC PULSES IN
THE PRESENCE OF NOISE. [1962] 41p. (figs. omit-
ted) 9 refs.
Order from SLA \$4.60

62-18326

Trans. of Hochfrequenztechnik und Elektroakustik
(East Germany) 1960, v. 69, no. 3, p. 94-103.

DESCRIPTORS: *Signal-to-noise ratio, *Radar signals,
Radar pulses, Noise (Radar), *Detection, Pulse inte-
grators, Correlation techniques, Statistical functions.

Starting with very general conditions, namely that a
signal-noise mixture of the form $y(t) = s(t) + r(t)$ is
given in the time interval $0 \leq t \leq T$, where $s(t)$ is the
signal function and $r(t)$ is the disturbance function
(noise) of a stationary stochastic process with the auto-
(Research Methods--Communication Theory, TT, v. 9,
no. 9) (over)

62-18326

I. Haussig, D.

Office of Technical Services

Wolf, Werner.

AN INVESTIGATION OF VELOCITY VARIATIONS
IN A MAGNETIC TAPE RECORDER, WITH THE AID
OF ELECTRO-MECHANICAL ANALOGIES. [1961]
27p. 19 refs.

Order from SLA \$2.60

61-18768

Trans. of Hochfrequenztechnik und Elektroakustik
(East Germany) 1960, v. 69 [no. 4] p. 41-52.

DESCRIPTORS: *Magnetic tape, *Magnetic recording
systems, Flutter, Velocity, Synchros, Electro-
mechanical converters, *Electromagnetic drives.

An examination was made of the effect of flutter in a
magnetic tape recorder resulting from the compliance
of the tape and the inertias of the rotating parts. This
was done through the use of the electrical analog of the
mechanical system. Certain of the mechanical pa-
(Physics--Electronics, TT, v. 7, no. 7) (over)

61-18768

I. Wolf, W.

CIA/FDD XX-1213
NOT RELEASABLE TO
FOREIGN NATIONALS
USIB INTERNAL USE
ONLY

Office of Technical Services

Investigations Concerning the Radiation
Behavior of Elliptical Waveguide and the
Possibility of Producing a Circular
Polarized Circulation Field, by
K. E. Muller.

GERMAN, per, Hochfrequenztechnik und
Elektroakustik, Vol 69, No 4, 1960,
pp 140-151.

NLL Ref: 5207 (1294)

Sci-Elec

Disturbance of Radar Instruments Through
Heavy-Sea Reflexes, by J. Brauns,
H. G. Mceller, 21 pp.

GERMAN, par, Hochfrequenz Technik und
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FTD MOL-1394/1

Sci - Electron

171, 857

25 Oct 61

Small Size Microwave Refractometer for Battery
Operation, by W. Steffen, 22 pp.

GEISMAN, per, Hochfrequenz-Technik und Elektro-
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CSIR Tr No 254

Sci - Electronics

Jan 63

220,808

Coupling of Radial Resonance of Vibrating Circular
Disks of BaTiO₃ with Resonances of other Wave types
with Changes in Geometric Dimensions, by L. Walther,
G. Langensiepen.

GERMAN, per, Hochfrequenztechnik und Elektroakustik,
Vol 70, No 6, 1961, pp 21-211 - 214
CAcL

Sci -

Aug 67

336,726

Dynamic Properties of an Iron-Cobalt Alloy for
Magnetostriuctive Transducers, by O. Henkel.
GERMAN, per, hochfrequenztech. Elektroakust.,
Vol 71, No 2, 1962, pp 47-55.
*AEC 2537

Sci/Materials
Mar 67

Impulse Reaction of the Middle Ear, by H. Albrecht.
GERMAN, per, Hochfrequenztech u Elektroak, Vol 71,
No 3, 1962, pp 10-107
CAaL

Sci -
Aug 67

336,703

Impulse Reaction of the Middle Ear, by
H. Albrecht.

GERMAN, per, Hochfrequenztech. u. Elektroak.,
Vol LXXI, No. 3, 1962, pp 107-110.
CAcl.

278,653

Sci-Biol/Med
Apr 65

Iron-aluminium Alloys for Magnetostrictive
Transducers, by O. Henkel.
GERMAN, per, Hochfrequentech. Elektroakust.,
Vol 71, No 5, 1962, pp 161-166.
*AEC 2538

Sci/Electronics
Mar 67

A Doppler Radar for Additional Sign-Discrimination
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